BRUHAT BANGALORE MAHANAGARA PALIKE

Project: Improvements to Drains and Asphalting to Roads at Bharathnagar Saw mill Road in Ward No 06 Byatarayanapura Sub Division

Construction Cost: 4500000.00

Sl. No.	Description of work	Unit	No.	Length m	Breadth m	Depth m	Quantity	Rate in Rs.	Amount in Rs.
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.133, I.No.19.1 of PW, P&IWTD SR 2016-17)								
	Desilt	Cum							
	Bharath nagar								
	c/s behind abubakar masjid		2	195.00	0.50	0.45	87.75		
	6th c/s behind abubakar masjid		2	290.00	0.50	0.50	145.00		
	New Drain								
	Road 1 after durga temple		2	110.00	0.60	0.60	79.20		
	Road 2 after durga temple		2	255.00	0.60	0.60	183.60		
							495.55	170.92	**84699.41**
	Basic rate	**82.00**							
	Loading and unloading with 5km lead= 68+2.5x1.28x10 =	**84.00**							
	Area Weightage 6%	**4.92**							
	Final Rate	**170.92**							
2	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete.(5.31.1								
	Drain	Cum							
	Manjunatha Nagara								
	Road 1 after durga temple		2	110.00	1.35		297.00		
	Road 2 after durga temple		2	255.00	1.35		688.50		
							985.50	665.68	**656027.64**
	Basic rate	**628.00**							
	Area Weightage 6%	**37.68**							
	Final Rate	**665.68**							
2	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.142, I.No.19.14 of PW,P&IWTD S.R 2016-17)								
	Bharath nagar	Cum							
	Road 1 after durga temple		1	110.00	5.10	0.20	112.20		
	Road 2 after durga temple		1	255.00	5.00	0.20	255.00		
	c/s behind abubakar masjid		1	195.00	5.00	0.20	195.00		
	6th c/s behind abubakar masjid		1	290.00	5.00	0.20	290.00		
							852.20	132.76	**113138.07**
	Basic rate	**46.00**							
	Loading and unloading with 5km lead= 68+2.5x1.28x10 =	**84.00**							
	Area Weightage 6%	**2.76**							
	Final Rate	**132.76**							

Sl. No.	Description of work	Unit	No.	Length m	Breadth m	Depth m	Quantity	Rate in Rs.	Amount in Rs.
3	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.157, I.No.20.18 of PW,P&IWTD SR 2016-17)								
	Bharath nagar	Cum							
	Road 1 after durga temple		1	110.00	5.10	0.23	129.03		
	Road 2 after durga temple		1	255.00	5.00	0.23	293.25		
	c/s behind abubakar masjid		1	195.00	5.00	0.23	224.25		
	6th c/s behind abubakar masjid		1	290.00	5.00	0.23	333.50		
							980.03	1768.08	**1732771.44**
	Basic rate	**1668.00**							
	Area Weightage 6%	**100.08**							
	Final Rate	**1768.08**							
4	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.160, I.No.21.6 of PW,P&IWTD SR 2016-17)								
	Bharath nagar	Sqm							
	Road 1 after durga temple		1	110.00	5.10	--	561.00		
	Road 2 after durga temple		1	255.00	5.00	--	1275.00		
	c/s behind abubakar masjid		1	195.00	5.00	--	975.00		
	6th c/s behind abubakar masjid		1	290.00	5.00	--	1450.00		
							4261.00	27.56	**117433.16**
	Basic rate	**26.00**							
	Area Weightage 6%	**1.56**							
	Final Rate	**27.56**							
6	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.160 I.No.21.7 of PW,P&IWTD SR of 2016-17)								
	For Laying BC	Sqm							
	Bharath nagar								
	Road 1 after durga temple		1.00	110.00	5.10	--	561.00		
	Road 2 after durga temple		1.00	255.00	5.00	--	1275.00		
	c/s behind abubakar masjid		1.00	195.00	5.00	--	975.00		
	6th c/s behind abubakar masjid		1.00	290.00	5.00	--	1450.00		
							4261.00	11.66	**49683.26**
	Basic rate	**11.00**							
	Area Weightage 6%	**0.66**							
	Final Rate	**11.66**							

Description of work	Unit	No.	Length m	Breadth m	Depth m	Quantity	Rate in Rs.	Amount in Rs.
KSRRB M500-19. Providing and laying bituminous concrete 40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 6% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.164 of I.No.21.22.6 in PW,P&IWTD S.R 2016-17)								
Road Formation	Cum							
Bharath nagar								
Road 1 after durga temple		1	110.00	5.10	0.04	22.44		
Road 2 after durga temple		1	255.00	5.00	0.04	51.00		
/s behind abubakar masjid		1	195.00	5.00	0.04	39.00		
th c/s behind abubakar masjid		1	290.00	5.00	0.04	58.00		
						170.44	7083.98	**1207393.55**
asic rate	**6683.00**							
rea Weightage 6%	**400.98**							
inal Rate	**7083.98**							
SRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick cluding reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of rface applied glass beads as per IRC:35. The finished surface to be level, uniform and free om streaks and holes complete as per specifications. MORTH Specification No. 03.(P.No.197, I.No.24.15 of PW,P&IWTD SR 2016-17)								
ge line								
		2	850.00	0.10	--	170.00		
						170.00	542.72	**92262.40**
sic rate	**512.00**							
ea Weightage 6%	**30.72**							
al Rate	**542.72**							
						Total Construction Cost		**4053408.93**
						Tender Premium 10%		**405340.89**
						Cost towards Third Party Inspection @ 1%		**40534.09**
						Sub Total		**4499283.91**
						Miscellaneous and rounding off		**716.09**
						Total		**4500000.00**

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workspot was inspected and work is found to be necessary.

area comes within the Bruhat Bangalore Mahanagara Palike limits.

rates adopted based on the PWD SR, Bangalore circle for year 2016-17.

provisions made in the estimate are necessary and essential.

ngineer

Assistant Executive Engineer

Executive Engineer

ADMINISTRATIVE APPROVAL

Accorded For Rs. forty five lakhs only

Head of A/c. P-3111

Div. Ref. No. 105/17-18 Date. 19/12/17

AE

EE(BTP)

Technical Sanction

Accorded For 45.00 Lakhs

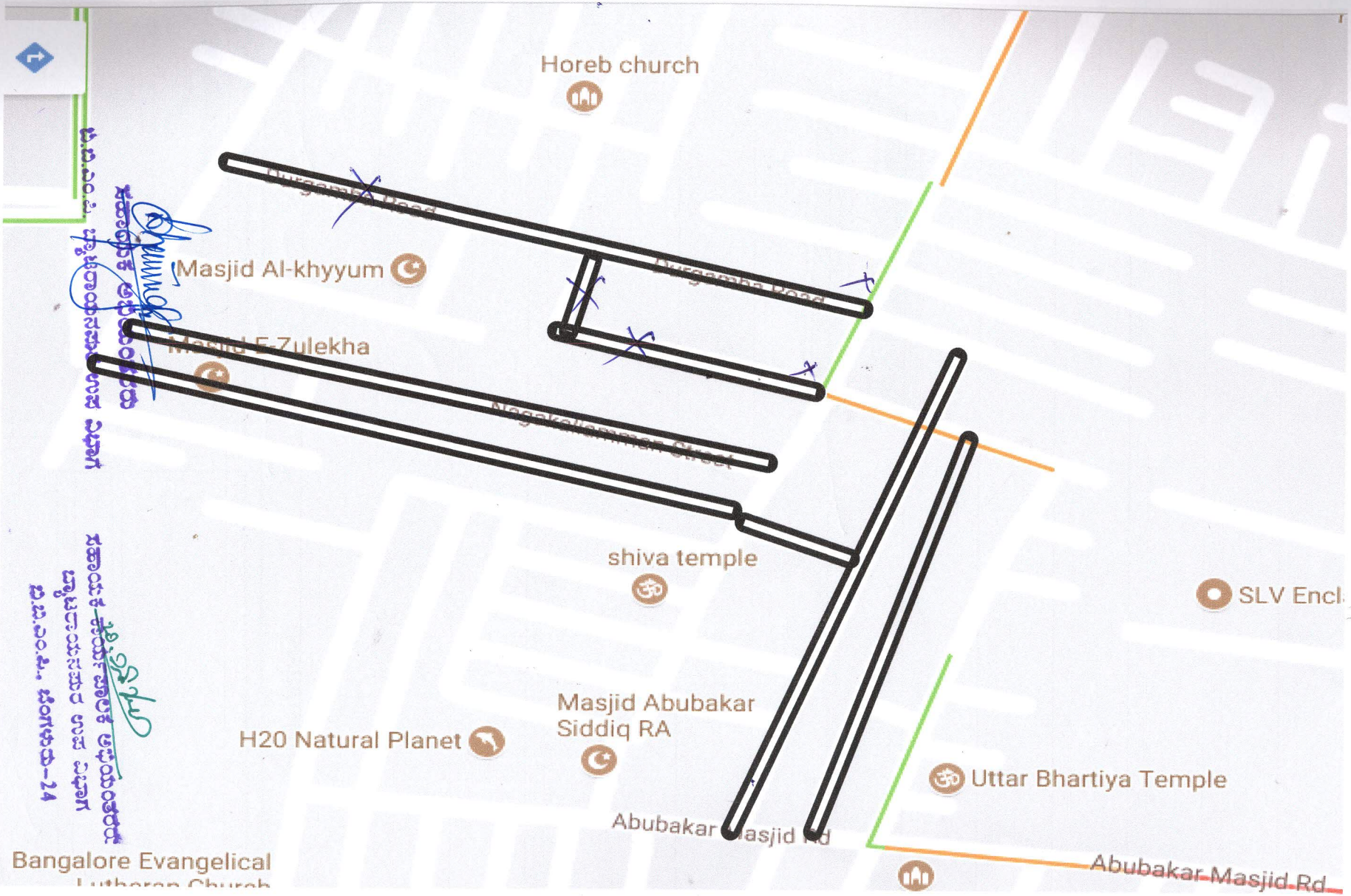
Head of A/C P3111

CER NO : 473 Dt: 27-12-18

TA

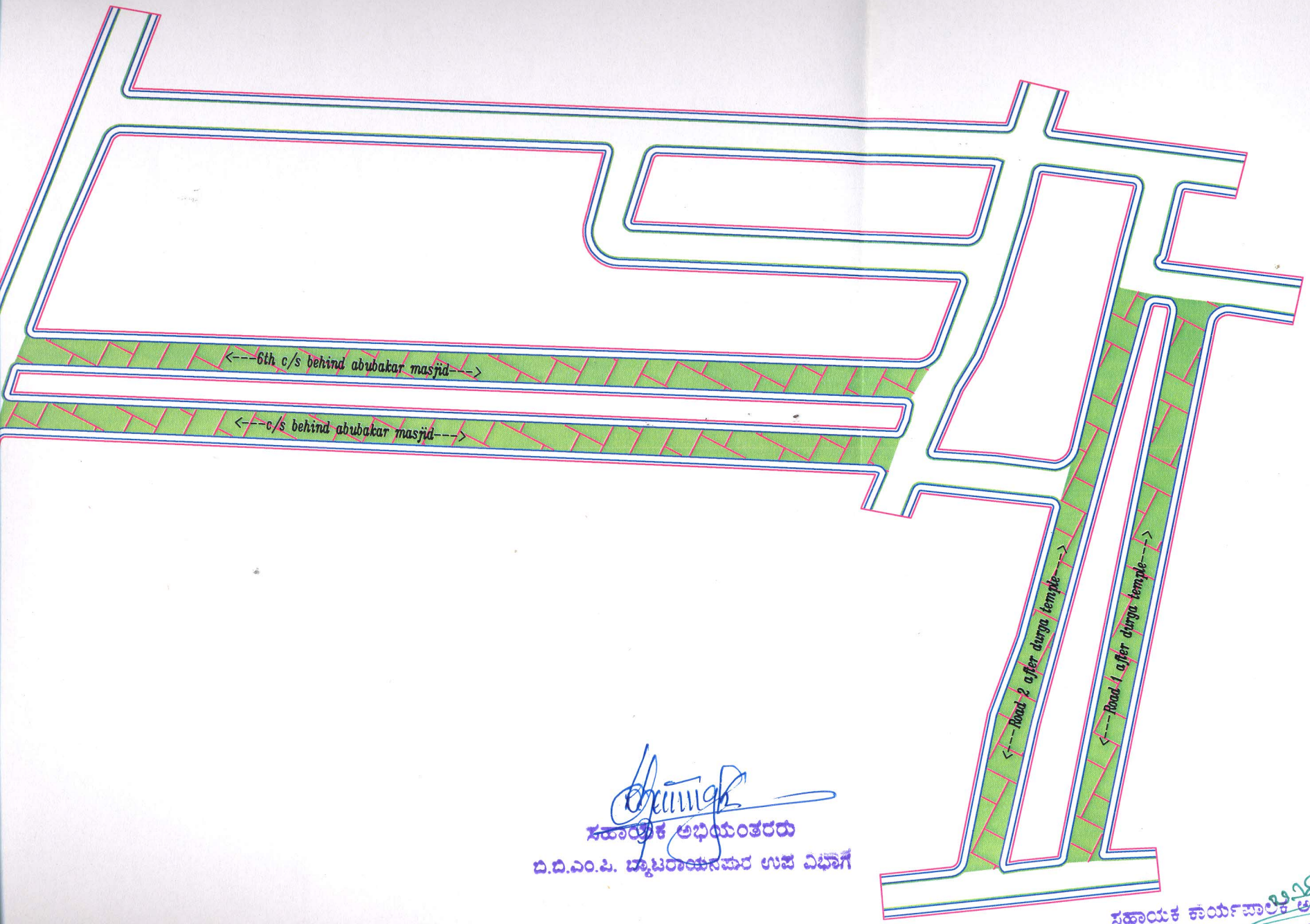
CE (YNK)

10.Abubakar masjid backside roads Bharath Nagar



BRUHAT BANGALORE MAHANAGARA PALIKE

ovements to Drains and Asphalting to Roads at Bharathnagar Saw mill Road in Ward No 06 Byataraya



ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ